

Telecommunications: 2005

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(Formerly MA334P, Communications Equipment)**Current
Industrial
Reports**

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/mcd/>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR)," clicking on "CIRs by Subsector;" then choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (XLS format) to your personal computer.

These data are also available on Internet through the U.S. Department of Commerce and STAT-USA by subscription. The Internet address is: www.stat-usa.gov/. Follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information.

SUMMARY OF FINDINGS

During 2005, domestic manufacturing of telecommunications equipment totaled \$54.7 billion, a decrease of 4.5 percent from the

2004 total of \$57.3 billion. Shipments of telephone switching equipment totaled \$1.6 billion, a decrease of 52.1 percent from the \$3.3 billion shipped in 2004. Shipments of carrier line equipment and nonconsumer modems decreased 21.5 percent, from \$3.6 billion in 2004 to \$2.8 billion in 2005. Wireline voice and data network equipment shipped in 2005 totaled \$12.3 billion, an increase of 2.0 percent from the \$12.1 billion shipped in 2004. Communications systems and equipment shipped in 2005 was \$30.3 billion, an increase of 1.8 percent from \$28.5 billion in 2004. Shipments of broadcast, studio, and related electronic equipment increased 19.0 percent to \$3.3 billion in 2005. Alarm systems totaled \$1.9 billion in 2005, a decrease of 5.2 percent from \$2.0 billion in 2004. Laser sources increased 12.1 percent to 1.0 billion in 2005.

For general CIR information, explanation of general terms and historical note, see the appendix.

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U S C E N S U S B U R E A U

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Economics and Statistics Administration
U.S. CENSUS BUREAU

Table 1. Value of Shipments of Telecommunications Equipment by Class of Product: 2000 to 2005
[Millions of dollars]

Product class code	Product description	2005		2004	2003	2002	2001	2000
3342101	Telephone switching and switchboard equipment.....	1,576.4	r/	3,293.7	4,899.9	7,437.0	12,187.7	15,173.7
3342104	Carrier line equipment and and nonconsumer modems.....	2,824.0	r/	3,598.1	3,045.1	4,487.5	10,943.4	13,112.3
3342107	Wireline voice and data network equipment.....	12,288.9		12,052.4	12,271.8	13,885.6	22,840.9	28,970.6
3342201	Communication systems and equipment, including microwave equipment and space satellites.....	30,271.7	r/	31,230.3	25,805.2	25,103.8	36,501.3	36,357.1
3342202	Broadcast, studio, and related electronic equipment.....	3,288.8	r/	2,763.3	2,931.7	3,304.3	3,490.5	4,029.4
3342901	Alarm systems, including electric sirens and horns.....	1,909.6	r/	2,013.8	2,257.8	2,439.9	2,374.4	2,755.2
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments.....	1,020.1		898.4	944.7	927.9	805.6	838.1
3342903	Intercommunications systems, including inductive paging systems (selective paging) (except telephone and telegraph).....	416.3		455.3	428.4	384.7	450.6	446.8
3344184	External modems, consumer.....	97.5	r/	100.4	75.4	111.9	179.3	94.7
3359997	Laser sources.....	1,040.6	r/	928.4	833.0	928.6	1,050.9	(S)

r/Revised by 5 percent or more from previously published data. S Does not meet publication standards.

Table 2. Quantity and Value of Telecommunications Equipment by Product Code: 2005 and 2004
[Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2005		2004	
			Quantity	Value	Quantity	Value
3342101	Telephone switching and switchboard equipment.....	59	(X)	1,576,430	(X) r/	3,293,720
3342101105	Central office switching equipment.....	16	(X)	577,290	(X) r/	1,593,735
3342101119	Private branch exchange switching equipment.....	10	(X)	314,234	(X)	940,165
3342101125	Other telephone switching and switchboard equipment.....	32	(X)	611,395	(X) r/	628,252
3342101199	Parts, components and subassemblies for telephone switching equipment.....	15	(X)	73,511	(X)	131,568
3342104	Carrier line equipment and nonconsumer modems.....	65	(X)	2,823,963	(X) r/	3,598,068
3342104112	Multiplex equipment, including channel banks, analog and digital.....	26	(X)	743,380	(X) r/	837,720
3342104137	All other carrier line equipment.....	31	(X) a/	1,003,201	(X) r/	1,930,321
3342104142	External modems for POTS, ISDN, DSL, PSTN.....	12	(X)	334,659	(X) r/	375,928
3342104145	Fiber optic equipment meeting SONET standards.....	13	(X)	469,850	(X)	199,163
3342104148	Fiber optic equipment not meeting SONET standards.....	13	(X) a/	272,873	(X) b/	254,936
3342107	Wireline voice and data network equipment.....	139	(X)	12,288,948	(X)	12,052,372
3342107125	Telephone sets, including wireless phone sets (excluding cell phones).....	25	(X)	304,092	(X)	304,908
3342107126	Other public switched telephone network (PSTN) type premise equipment, excluding PBX equipment.....	2	(X)	(D)	(X)	(D)
3342107127	Consumer (low end) routers.....	4	(X)	(D)	(X)	(D)
3342107129	Service provider routers.....	7	(X)	(D)	(X)	(D)
3342107131	Enterprise routers.....	10	(X)	1,034,960	(X)	1,081,628
3342107132	Wireless routers.....	3	(X)	(D)	(X)	(D)
3342107133	Bridges and hubs.....	-	(X)	-	(X)	-
3342107135	Terminal servers.....	1	(X)	(D)	(X)	(D)
3342107137	Ethernet switches (10Base T, 100Base T, gigabit).....	8	(X)	(D)	(X)	(D)
3342107162	Voice/call message processing equipment, including answering devices.....	29	(X)	(D)	(X) r/	(D)
3342107167	Other data communications equipment, wireline type.....	65	(X) a/	1,263,186	(X)	1,275,159
3342107199	Parts, components and subassemblies for wireline voice and data network equipment.....	16	(X) b/	69,284	(X) r/	116,557
3342201	Communications systems and equipment, including microwave equipment and space satellites.....	243	(X)	30,271,718	(X) r/	31,230,277
3342201203	Wireless networking equipment: Cellular base stations.....	4	(X)	(D)	(X)	(D)
3342201205	Cellular mobile telephone switching equipment.....	9	(X) a/	452,479	(X)	(D)
3342201207	Cellular handsets (cell phones).....	13	(X)	5,900,188	(X)	6,455,130
3342201209	Wi-Fi public equipment.....	3	(X)	(D)	(X)	(D)
3342201211	Wi-Max equipment.....	1	(X)	(D)	(X)	(D)
3342201213	Other cellular networking equipment.....	10	(X)	1,008,596	(X)	935,731
3342201304	Equipment by location: Space-based (satellite) stations.....	5	(X)	3,166,984	(X)	2,261,008
3342201309	Airborne- and marine-based stations.....	15	(X)	701,170	(X)	605,364
3342201314	Earth-based (fixed) stations.....	50	(X)	2,975,639	(X)	2,749,160
3342201316	Earth-based (mobile) systems.....	20	(X)	5,425,248	(X)	4,432,620
3342201331	Global positional system (GPS) equipment.....	1	(X)	(D)	(X)	(D)
3342201401	Other type: Checkout, monitoring, evaluation, and other electronic support equipment for communications systems.....	39	(X)	(D)	(X)	(D)
3342201409	Antennae systems, sold separately.....	67	(X) a/	1,535,005	(X) a/	1,711,935
3342201425	Other communications systems and equipment.....	109	(X)	4,848,724	(X)	7,745,701
3342202	Broadcast, studio, and related electronic equipment.....	138	(X)	3,288,846	(X) r/	2,763,269
3342202107	Audio production equipment for broadcast studios.....	42	(X) a/	303,743	(X) a/	330,725
3342202113	Video production equipment.....	31	(X) a/	764,847	(X) a/	600,059
3342202139	Transmitters, translators, RF power amplifiers, and related equipment for broadcast, including studio transmission links and remote pickup equipment.....	35	(X) b/	596,159	(X)	565,172
3342202143	Cable television (master antennae and CATV equipment).....	25	(X)	424,309	(X) b/	226,326
3342202144	Closed circuit television systems and equipment (specially designed cameras, monitors, video recorders, receivers, scan converters, and control consoles), excluding broadcast and consumer products.....	16	(X) a/	921,395	(X) r/	785,316
3342202155	Other broadcast and antenna equipment.....	24	a/	219,081	(X)	(D)
3342202199	Parts and accessories for broadcast, studio and related electronic equipment, sold separately.....	26	(X) b/	59,312	(X)	(D)

Table 2. Quantity and Value of Telecommunications Equipment by Product Code: 2005 and 2004
[Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2005		2004	
			Quantity	Value	Quantity	Value
3342901	Alarm systems, including electric sirens and horns.....	68	(X)	1,909,592	(X) r/	2,013,785
3342901107	Intrusion detection alarm systems.....	29	(X) a/	193,146	(X) a/	345,618
3342901111	Fire detection and prevention alarm systems.....	28	(X)	1,378,168	(X)	1,276,092
3342901609	Other alarm systems, including electric sirens and horns (marine, industrial, and air raid), and security locking systems...	28	(X) a/	338,278	(X) a/	392,075
3342902	Vehicular and pedestrian traffic control equipment and electrical railway signals and attachments.....	39	(X)	1,020,146	(X)	898,430
3342903	Intercommunications systems, including inductive paging systems (selective paging) (except telephone and telegraph).....	39	(X) a/	416,326	(X)	455,290
3344184	External modems, consumer.....	7	(X)	97,485	(X) r/	100,400
3359997	Laser sources.....	31	(X)	1,040,644	(X) r/	928,381
3359997101	Nondiode lasers.....	23	(X) a/	692,261	(X)	578,446
3359997138	Diode lasers.....	20	(X)	348,383	(X) r/	349,935

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data. X Not applicable.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item has been estimated. b/26 to 50 percent of this item has been estimated. c/Over 50 percent of this item has been estimated.

Table 3. Shipments, Exports, and Imports of Telecommunications Equipment: 2005
[Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments (value f.o.b. plant)	Exports of domestic merchandise (value at port) 1/	Imports for consumption (value) 2/3/
3342101105	Central office telephonic switching equipment.....	577,290	112,908	30,586
3342101119	Private branch telephonic exchange switching equipment.....	314,234	47,889	85,995
3342101125	Other telephone switching and switchboard equipment.....	611,395	119,030	87,946
3342101199	Parts, components, and subassemblies for telephone switching equipment.....	73,511	1,295,868	1,621,706
3342104112, 137	Carrier line equipment, n.e.c.	1,746,581	3,452,937	6,750,735
3342104142, 3344184	External modems for POTS, ISDN, DSL, PSTN, and external modems, consumer.....	432,144	253,093	823,315
3342107125	Telephone sets, including wireless phone sets (excluding cell phones).....	304,092	266,515	3,105,215
3342107126, 127, 129, 131, 132, 133, 135, 137, 162, 167	Wireline voice and data network equipment, n.e.c., including voice frequency equipment.....	(D)	348,792	918,085
3342107199	Parts, components and subassemblies for wireline voice and data network equipment.....	69,284	791,127	1,010,936
3342201207	Cellular handsets (cell phones).....	5,900,188	3,266,141	25,175,551
3342201409	Antennae systems, sold separately.....	1,535,005	1,152,138	1,001,875
3342202107	Audio production equipment for broadcast studios.....	303,743	287,603	412,164
3342202139	Transmitters, translators, RF power amplifiers, and related equipment for broadcast, including studio transmission links and remote pickup equipment.....	596,159	371,878	675,309
3342202143, 144	Cable television and closed circuit television systems and equipment.....	1,345,704	355,049	554,959
3342901107	Intrusion detection alarm systems.....	193,146	69,447	139,031
3342901111	Fire detection and prevention alarm systems.....	1,378,168	194,484	305,135
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments.....	1,020,146	153,140	194,455
3342903	Intercommunications systems, including inductive paging systems (selective paging) (except telephone and telegraph).....	416,326	34,779	106,109
3359997101	Nondiode lasers.....	692,261	690,012	230,939

D Withheld to avoid disclosing data for individual companies. n.e.c. Not elsewhere classified.

1/Source: Census Bureau report EM 545, U.S. Exports.

2/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

3/Value represents the c.i.f. (cost, insurance, and freight) value at first port of entry in the United States plus import duties.

Note: For comparison of the North American Industry Classification System (NAICS)-based product codes with the Schedule B export codes, and HTSUSA import codes, see Table 4.

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3342101105	Central office telephonic switching equipment.....	8517.30.1500	8517.30.1500
3342101119	Private branch telephonic exchange switching equipment.....	8517.30.2000	8517.30.2000
3342101125	Other telephone switching and switchboard equipment.....	8517.30.2500	8517.30.2500
3342101199	Parts, components, and subassemblies for telephone switching equipment.....	8517.30.3000	8517.30.3000
		8517.90.2000	8517.90.2400
		8517.90.5000	8517.90.3600
			8517.90.4800
			8517.90.5800
3342104112, 137	Carrier line equipment, n.e.c.	8517.50.5000	8517.50.5000
		8517.50.6000	8517.50.6000
		8517.50.9000	8517.50.9000
3342104142, 3344184	External modems for POTS, ISDN, DSL, PSTN, and external modems, consumer.....	8517.50.1000	8517.50.1000
3342107125	Telephone sets, including wireless phone sets (excluding cell phones).....	8517.11.0000	8517.11.0000
		8517.19.0000	8517.19.8020
		8518.30.1000	8517.19.8040
			8517.19.8050
			8517.19.8070
			8517.19.8080
			8518.30.1000
3342107126, 127, 129, 131, 132, 133, 135, 137, 162, 167	Wireline voice and data network equipment, n.e.c., including voice frequency equipment.....	8517.30.5000	8517.30.5000
		8517.80.1020	8517.80.1020
		8517.80.2000	8517.80.2000
3342107199	Parts, components and subassemblies for wireline voice and data network equipment.....	8517.90.5000	8517.90.1200
			8517.90.3800
			8517.90.5200
			8517.90.6400
3342201207	Cellular handsets (cell phones).....	8525.20.1000	8525.20.0500
		8525.20.2000	8525.20.1500
		8525.20.3005	8525.20.2000
		8525.20.3030	8525.20.3010
		8525.20.3040	8525.20.3015
		8525.20.3042	8525.20.3025
		8525.20.3045	8525.20.3040
		8525.20.3055	8525.20.3060
		8525.20.9020	8525.20.3065
		8525.20.9040	8525.20.3070
		8525.20.9080	8525.20.3080
			8525.20.9020
			8525.20.9060
			8525.20.9070
			8525.20.9080
3342201409	Antennae systems, sold separately.....	8529.10.2020	8529.10.2020
		8529.10.2050	8529.10.2050
		8529.10.2090	8529.10.2090
		8529.10.4000	8529.10.4040
		8529.10.6000	8529.10.4080
			8529.10.7000
			8529.10.9000
3342202107	Audio production equipment for broadcast studios.....	8518.40.2000	8518.40.2000

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2005

Product code	Product description	Export code 1/	Import code 2/
3342202139	Transmitters, translators, RF power amplifiers, and related equipment for broadcast, including studio transmission links and remote pickup equipment.....	8525.10.6010	8525.10.7025
		8525.10.6030	8525.10.7045
		8525.10.6050	8525.10.7065
		8525.10.6070	8525.10.7085
		8525.10.6090	8525.10.7090
		8525.10.8020	8525.10.9025
		8525.10.8040	8525.10.9045
			8525.10.9065
			8525.10.9085
			8525.10.9090
3342202143, 144	Cable television and closed circuit television systems and equipment.....	8525.10.2050	8525.10.3035
3342901107	Intrusion detection alarm systems.....	8531.10.0035	8531.10.0035
3342901111	Fire detection and prevention alarm systems.....	8531.10.0015	8531.10.0015
		8531.10.0025	8531.10.0025
		8531.10.0045	8531.10.0045
3342902	Vehicular and pedestrian traffic control equipment, including electric railway signals and attachments.....	8530.10.0000	8530.10.0000
		8530.80.0000	8530.80.0000
		8530.90.0000	8530.90.0000
3342903	Intercommunications systems, including inductive paging systems (selective paging) (except telephone and telegraph).....	8517.80.1010	8517.80.1010
		8527.90.8600	8527.90.8600
3359997101	Nondiode lasers	9013.20.0000	9013.20.0000

n.e.c. Not elsewhere classified.

1/Source: 2005 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2005).

Appendix.

General CIR Survey Information, Explanation of General Terms and Historical Note

GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31–33 Manufacturing
- 42 Wholesale Trade
- 44–45 Retail Trade
- 48–49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Foodservices
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

EXPLANATION OF GENERAL TERMS

Capacity. The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

Consumption. Materials used in producing or processing a product or otherwise removing the product from the inventory.

Exports. Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

Gross shipments. The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

Interplant transfers. Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

Inventories. The quantity or value of finished goods, work in progress, and materials on hand.

Machinery in place. The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

Net receipts. Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

Production. The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

Quantities produced and consumed. Quantities of each type of product produced by a company for internal consumption within that same company.

Quantity and value of new orders. The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

Quantity and value of shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Stocks. Total quantity of ending finished inventory.

Unfilled orders (backlog). Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

HISTORICAL NOTE

Data on selected electronic and associated products have been collected by the Census Bureau since 1961 on survey MA36N, Selected Electronics and Associated Products. In 1985, survey MA36N was divided into three annual surveys which are presently collected as: MA334P, Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment; MA334Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components; and MA334S, Electromedical Equipment and Irradiation Equipment (Including X-Ray). Beginning in 2005, data for the MA334P will be collected under the title Telecommunications. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library.